

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Chen

Serial No.: 09/546823

Filing Date: April 11, 2000

Docket No.: 4740-088

Title: SYSTEM AND METHOD FOR PACKET DATA SERVING NODE (PDSN) INITIAL ASSIGNMENT AND RESELECTION

MS PGPUB Drawings Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450 Examiner: Mr. Andrew Lee

Group Art Unit: 2663

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CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: MS PGPUB Drawings, Commissioner for Patents, P.O. Box 1450, Alexandria, VA

22313-1450, on July 9, 2004.

Alferiso G. Sandoval

SUBMISSION OF FORMAL DRAWINGS

Sir:

In response to the Notice of Allowance dated June 15, 2004, relating to the aboveidentified U.S. Patent Application, please find enclosed one copy of formal drawings, Figures 1 through 7, as requested by Examiner Lee.

Respectfully submitted,

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Serving Node (PDSN) Initial Assignment and Reselection Serial No.: 09/546823 Page 1 of 3 MSC IWF **CALL CONTROL** FIG. 1 **ASYNC DATA/** MOBILITY **SWITCH** FAX **MANAGEMENT** (PRIOR ART) A1^L A2 **A5** TARGET BS AXA3 (USER TRAFFIC) R-P INTERFACE BSC **BSC INTERFACE** A3 (SIGNALLING) SDU A10 (USER TRAFFIC) A8 (USER TRAFFIC) A7 (SIGNALLING) **FUNCTION PCF PDSN** A9 (SIGNALLING) ALL (SIGNALLING) BTS **BTS SOURCE BS** _10 PDSN#0 PDSN #2 PDSN #1 ADD 002 ADD 003 ADD 001 16 FIG. 2 PCF 1 PCF 2 PCF 3 22 18 20 24 _10 MS1 PDSN#0 PDSN#1 PDSN #2 PDSN#3 ADD 001 **ADD 002 ADD 003** ADD 004 12 14 26 16 PCF 1 PCF 2 20 18 FIG. 3 24. MS₁

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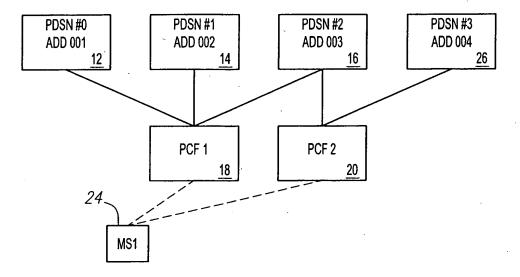
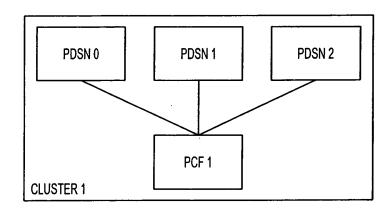


FIG. 4



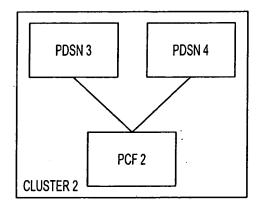


FIG. 5



Title: System and Method for Packet Data Serving Node (PDSN) Initial Assignment and Reselection

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WIRELESS COMMUNICATION SYSTEM	100
V	
REQUESTING PACKET DATA COMMUNICATIONS	101
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GENERATING A RECORD OF UNIQUE PDSN ID NUMBERS	102
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ASSIGNING A UNIQUE MS IDENTIFICATION NUMBER (ID) TO FIRST MS	104
V	
PRODUCT: PDSN SELECTED IN RESPONSE TO NUMBER OF PDSN ID NUMBERS IN THE RECORD	106

FIG. 6

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WIRELESS COMMUNICATION SYSTEM	200
T	_
ASSIGNING A FIRST PCF	201
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GENERATING RECORD OF PDSN ID NUMBERS AT EACH PCF	202
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ASSIGNING UNIQUE MS IDENTIFICATION NUMBER TO FIRST MS	204
PRODUCT: FIRST PDSN ID NUMBER IS SELECTED IN RESPONSE TO TOTAL NUMBER OF PDSN ID NUMBERS ON THE RECORD	206
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VARYING FIRST PDSN ID NUMBER	207
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ROUTING PACKET DATA COMMUNICATIONS	208
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FIG. 7